## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP98/03918

A. CLASSIFICATION OF SUBJECT MATTER Int.C1 <sup>6</sup> C01G23/04, C01G23/00					
According t	to International Patent Classification (IPC) or to both na	ational classification and IPC			
	S SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)  Int.Cl <sup>6</sup> C01G23/00-23/08					
Jits	Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-1998 Kokai Jitsuyo Shinan Koho 1971-1998 Jitsuyo Shinan Toroku Koho 1996-1998				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Х	JP, 6-285358, A (Kao Corp.), 11 October, 1994 (11. 10. 94 Example 2 (Family: none)		1		
х	JP, 6-142491, A (Japan Synthetic Rubber Co., Ltd.), 24 May, 1994 (24. 05. 94), Examples 22 to 26 (Family: none)		1-2, 20		
A	1144mp100 22 00 23 (124m12_112		3		
X	JP, 5-154374, A (Kawatetsu A 22 June, 1993 (22. 06. 93), Full text ; Figs. 1 to 6 (Fa		1–2		
A	JP, 58-223606, A (Nippon Soda Co., Ltd.), 26 December, 1983 (26. 12. 83), Full text (Family: none)		4-6, 8-12, 14		
× Further	er documents are listed in the continuation of Box C.	See patent family annex.			
* Special categories of cited documents:  A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier document but published on or after the international filing date and not in conflict with the application but cited to the principle or theory underlying the invention document of particular relevance; the claimed inventio considered novel or cannot be considered to involve an when the document is taken alone document referring to an oral disclosure, use, exhibition or other means  "P" document of particular relevance; the claimed inventio considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed inventio considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document of particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular relevance; the claimed invention considered to involve an inventive step when the document particular rele			tion but cited to understand vention aimed invention cannot be d to involve an inventive step aimed invention cannot be when the document is documents, such combination art imily		
Date of the actual completion of the international search 2 December, 1998 (02. 12. 98)  Date of mailing of the international search report 15 December, 1998 (15. 12. 98)					
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer			
l'acsimile N	ο.	Telephone No.	* 1; •		

## INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP98/03918

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	JP, 9-25123, A (Director General of National Institute for Research in Inorganic Materials, Science & Technology Agency), 28 January, 1997 (28. 01. 97), Full text (Family: none)	7, 13, 15-19, 21
	· .	
.	·	
. [.		
<u> </u>		
4	•	

## 国際調査報告

A. 発明の属する分野の分類(国際特許分類(IPC)) Int, Cl° C01G23/04, C01G23/00					
B. 調査を行った分野 調査を行った最小限資料 (国際特許分類 (IPC)) In to Cl <sup>6</sup> C01G23/00-23/08					
最小限資料以外の資料で調査を行った分野に含まれるもの 日本国実用新案公報 1922-1996年 日本国公開実用新案公報 1971-1998年 日本国登録実用新案公報 1994-1998年 日本国実用新案登録公報 1996-1998年					
国際調査で使用した電子データベース (データベースの名称、調査に使用した用語)					
C. 関連する					
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連すると	ときは、その関連する箇所の表示	関連する 請求の範囲の番号		
Х	JP, 6-285358, A (花王村 11.10月.1994 (11. 実施例2, (ファミリーなし)	朱式会社)	1		
X A	JP, 6-142491, A (日本行 24.5月.1994 (24.0) 実施例22-26, (ファミリー)	5.94)	1-2, 20		
x	JP, 5-154374, A (川鉄鎖 22. 6月. 1993 (22. 00 全文, 図1-6, (ファミリーなり	6.93)	1-2		
X C欄の続きにも文献が列挙されている。					
* 引用文献のカテゴリー 「A」特に関連のある文献ではなく、一般的技術水準を示すもの 「E」国際出願目前の出願または特許であるが、国際出願日以後に公表された文献であって、出願と矛盾するものではなく、発明の原理又は理論の理解のために引用するもの「X」特に関連のある文献であって、当該文献のみで発明の発行して、という。 と、					
国際調査を完了	てした日 02.12.98	国際調査報告の発送日 15.12.	98		
日本国	O名称及びあて先 関特許庁(ISA/JP) B便番号100-8915 B千代田区霞が関三丁目4番3号	特許庁審査官(権限のある職員) 八原由美子 電話番号 03-3581-1101	内線 3417		

	四杯叫五杯口			
C (続き).       関連すると認められる文献         引用文献の       関連する				
引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	請求の範囲の番号		
A	JP, 58-223606, A (日本曹達株式会社) 26.12月.1983 (26.12.83) 全文, (ファミリーなし)	$\begin{vmatrix} 4-6, 8-\\ 12, 14 \end{vmatrix}$		
A	JP, 9-25123, A (科学技術庁無機材質研究所長) 28. 1月. 1997 (28. 01. 97) 全文, (ファミリーなし)	$\begin{bmatrix} 7, & 1 & 3, \\ 1 & 5 - 1 & 9, \\ 2 & 1 \end{bmatrix}$		
:				
	·			
		,		
!				
<u> </u>		1.1		